

Human Lysophosphatidylcholine Acyltransferase 2 (LPCAT2) ELISA Kit | LPCAT2 elisa kit

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CATALOG #
AAA331938

REACTIVITY
Human

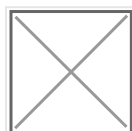
PRODUCT SYNONYMS

Lysophosphatidylcholine Acyltransferase 2 (LPCAT2); Human Lysophosphatidylcholine Acyltransferase 2 (LPCAT2) ELISA Kit; LPCAT2; AYTL1; DKFZp686H22112; FLJ20481; LysoPAFAT; acetyl-CoA:lyso-PAF acetyltransferase; acyl-CoA:lysophosphatidylcholine acyltransferase 2; acyltransferase like 1; lyso-platelet-activating factor (PAF) acet; LPCAT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Lysophosphatidylcholine acyltransferase 2 (LPCAT2) ELISA Kit has high sensitivity and excellent specificity for detection of Human LPCAT2. No significant cross-reactivity or interference between Human LPCAT2 and analogues was observed.
Sequence Length	544
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Lysophosphatidylcholine acyltransferase 2 (LPCAT2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LPCAT2 elisa kit	Description: This Human Lysophosphatidylcholine acyltransferase 2 (LPCAT2) ELISA Kit employs a two-site sandwich ELISA to quantitate LPCAT2 in samples. An antibody specific for LPCAT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LPCAT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LPCAT2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LPCAT2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: LPCAT2 encodes a member of the lysophospholipid acyltransferase family. The encoded enzyme may function in two ways: to catalyze the biosynthesis of platelet-activating factor (1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine) from 1-O-alkyl-sn-glycero-3-phosphocholine, and to catalyze the synthesis of glycerophospholipid precursors from arachidonyl-CoA and lysophosphatidylcholine. The protein may function in membrane biogenesis and production of platelet-activating factor in inflammatory cells. The deduced full-length protein contains an N-terminal catalytic domain and 2 cation-binding EF-hand motifs in its C-terminal region. Epitope-tagged Lpcat2 was expressed mainly in the ER and Golgi of transfected Chinese hamster ovary cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47086907
NCBI GeneID	54947
NCBI Accession #	NP_060309.2
NCBI GenBank Nucleotide #	NP_060309.2
UniProt Accession #	Q7L5N7
NCBI Official Full Name	lysophosphatidylcholine acyltransferase 2
NCBI Official Synonym Full Names	lysophosphatidylcholine acyltransferase 2
NCBI Official Symbol	LPCAT2
NCBI Official Synonym Symbols	AYTL1; AGPAT11; LysoPAFAT
NCBI Protein Information	lysophosphatidylcholine acyltransferase 2
UniProt Protein Name	Lysophosphatidylcholine acyltransferase 2
UniProt Gene Name	LPCAT2
UniProt Synonym Gene Names	AGPAT11; AYTL1; LPC acyltransferase 2; LPCAT-2; LysoPC acyltransferase 2; 1-AGP acyltransferase 11; 1-AGPAT 11; Acetyl-CoA:lyso-PAF acetyltransferase; Lyso-PAF acetyltransferase; LysoPAFAT; LPAAT-alpha
UniProt Entry Name	PCAT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.